

## Yorkshire Dales National Park

Forecast valid from 00:00 on Tuesday 28 Mar 2023 until 23:59 on Wednesday 29 Mar 2023

Forecast Issued on Monday 27 Mar 2023 at 14:05

**Confidence:** High confidence for a return to milder conditions and wet and windy weather from the southwest. Low confidence in weather forecast towards the weekend especially wind direction and rain amounts. Also low confidence in amount of showers later in the week.

**Headline for Tuesday 28 Mar 2023:** A dry start but rain soon spreading across the area with strong southerly winds, becoming gradually milder during the day.

### Mountain weather hazards on Tuesday 28 Mar 2023

**Blizzards**

No Likelihood

**Heavy persistent snow**

No Likelihood

**Storm force winds**

No Likelihood

**Gales**

Medium Likelihood

**Severe chill effect**

Low Likelihood

**Poor visibility**

Medium Likelihood

**Thunderstorms**

No Likelihood

**Heavy persistent rain**

No Likelihood

**Strong sunlight**

No Likelihood

| Weather and chance of precipitation at 600m                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Time                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
| 00:00                                                                               | 03:00                                                                               | 06:00                                                                               | 09:00                                                                               | 12:00                                                                               | 15:00                                                                                 | 18:00                                                                                 | 21:00                                                                                 |
|  |  |  |  |  |  |  |  |
| Cloudy                                                                              | Cloudy                                                                              | Mist                                                                                | Heavy Rain                                                                          | Heavy Rain                                                                          | Heavy Rain                                                                            | Drizzle                                                                               | Light rain                                                                            |
| Precipitation probability                                                           |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
| 10%                                                                                 | 10%                                                                                 | 10%                                                                                 | 70%                                                                                 | 70%                                                                                 | 60%                                                                                   | 60%                                                                                   | 60%                                                                                   |

### Forecast for Tuesday 28 Mar 2023

**Weather:** Mainly dry overnight but increasing cloud cover from the west during the night. Mist is likely to form in the morning and it will turn quite dull with rain arriving by mid morning. Rain is likely to be heaviest in the west with some drier interludes possible further east, perhaps a few cloud breaks here later too. Although the main band of rain will clear east during by late afternoon it will remain damp and drizzly for most areas into the evening.

**Chance of cloud-free hill tops above 600m:** 70% falling to 20% or less in the afternoon as cloud lowers in association with the band of rain moving across the area.

**Low Cloud and visibility:** Patchy or scattered low cloud layers above 500m in the morning, mainly confined to southern and western high ground at first. Cloud will thicken, lower, cloud layers above 2-300m in the afternoon. It will become extensive during the day with visibility becoming quite poor and navigation will become quite tricky at height. Some brighter spells may be found in the northeast towards Richmond later in the afternoon but even here it will be dull with moderate visibility at best.

## Forecast for Tuesday 28 Mar 2023

| Height (m) | Wind Speed mean/gusts (mph) |         |         |         |         | Wind Direction (blowing from) |          |          |          |
|------------|-----------------------------|---------|---------|---------|---------|-------------------------------|----------|----------|----------|
|            | 00:00                       | 03:00   | 06:00   | 09:00   | 12:00   | 15:00                         | 18:00    | 21:00    | 00:00    |
| 600        | 13/22 S                     | 13/21 S | 15/23 S | 17/26 S | 18/28 S | 16/24 S                       | 14/22 SW | 13/21 SW | 12/21 SW |
| 300        | 6/18 S                      | 8/19 S  | 11/22 S | 11/22 S | 12/25 S | 10/21 S                       | 9/20 SW  | 9/20 SW  | 8/18 SW  |
| Valley     | 7/17 SE                     | 7/18 SE | 11/23 S | 12/25 S | 11/25 S | 11/23 S                       | 10/20 S  | 8/18 SW  | 9/19 SW  |

| Height (m)      | Temperature / Feels Like (°C) |       |       |       |       |       |       |       |       |
|-----------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 | 00:00                         | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| 600             | 0/-5                          | 0/-5  | 1/-5  | 1/-4  | 3/-2  | 4/-0  | 5/1   | 6/2   | 6/2   |
| 300             | 2/-1                          | 2/-1  | 3/-1  | 4/-0  | 5/1   | 6/3   | 7/4   | 7/5   | 8/5   |
| Valley          | 4/1                           | 4/1   | 5/1   | 5/2   | 7/3   | 8/5   | 8/6   | 8/6   | 9/6   |
| Freezing Level* | 700m                          | 800m  | 800m  | 1000m | 1300m | 1700m | 1700m | 1700m | 1800m |

\*Level above which ground is expected to be frozen/snow is expected to settle.

### Meteorologist's View

Dull and damp conditions and with fresh to strong winds at height a significant windchill is expected in the morning. Turning milder as the day goes on but very poor visibility at all levels by the end of the day.

### Recent rainfall: measured at Malham: altitude 375m

| Recorded at              | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|--------------------------|----------------|----------------|----------------|
| 14:00 on Mon 27 Mar 2023 | 0mm            | 1mm            | 24.6mm         |

## Forecast for Wednesday 29 Mar 2023

**Weather:** Cloudy but mainly dry at first and the possibility of a few brighter spells for a time in the morning, although some mist around the area will be hard to clear. Cloud and rain spreading east from late morning with heavy rain at times through the afternoon. Dry for a time by late afternoon but further heavy showery rain expected during the evening.

**Maximum wind:** Southerly 15 gust 25 mph increasing during the afternoon to 25 mph gusts 35 mph.

**Chance of cloud-free hill tops above 600m:** 40%, cloud coming and going from the summits during the day.

**Low Cloud and visibility:** Patchy or scattered cloud above 400m in the morning becoming broken layers above 3-400m in the afternoon, chance of some brighter conditions and cloud free summits in the morning before the rain arrives however early morning cloud may be slow to clear. Cloud may also clear at times in the afternoon but depends on the timing of showery rain.

**Temperature:** **Valleys:** Plus 11 Celsius.  
**At 600m:** Plus 8 Celsius.  
**Freezing level:** Above all summits